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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/941,254	08/27/2001	Roland M. Hochmuth	10007641-1	6013

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EXAMINER

FLYNN, KIMBERLY D

ART UNIT	PAPER NUMBER
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2153

DATE MAILED: 01/18/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/941,254

Applicant(s)

HOCHMUTH ET AL.

Examiner

Kimberly D Flynn

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 August 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-3, 6-7, 9-15, and 17-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Bahl et al (U.S. Patent No. 6,754,266, hereinafter Bahl).

In considering claims 1, 2, 12, 15, Bahl discloses a system (See figs. 1 and 3) for communicating graphics across a computer network comprising:

an input for receiving a video signal (See fig 2, video camera, 152) ;

a memory for storing discrete units of the video signal (See fig. 1, hard disk drive, 27);

a compression circuit for compressing a plurality of the discrete units into a compressed video signal (See fig 3, video encoder, 154 and col. 6, lines 10-14);

a network interface circuit coupled to both the compression circuit and the computer network, the network interface configured to format and communicate the compressed video signal over the computer network to a remote computer (See fig. 1, network interface, 23); and

a output coupled to the computer network (See fig. 1, remote computer, 49 and col. 5, lines 41-46).

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In considering claim 3, Bahl discloses wherein the video signal is in compliance with a Digital Visual Interface (DVI) standard (col. 6, lines 14-18).

In considering claim 6 and 7, Bahl discloses wherein the computer network comprises a local area network (LAN) and a wide area network (WAN) (col. 5, lines 1-4).

In considering claim 9 and 17, Bahl discloses a second input for receiving a second video signal (col. 5, lines 31-40).

In considering claim 10 and 18, Bahl discloses wherein the compression circuit is further configured to separately compress a plurality of discrete units for each of the video signals (col. 6 lines 1-15).

In considering claims 11, Bahl discloses wherein the network interface circuit is configured to format and communicate separately compressed video signals to different remote computers, such that a first remote computer receives a first compressed video signal and a second remote computer receives a second compressed video signal (col. 5, lines 41-46).

In considering claims 13 and 14, Bahl discloses wherein the apparatus comprises a connector (system bus 23) that is an edge connector configured to directly plug into a card slot of the motherboard of the source computer for direct connection to a source computer that supplies the video signal, wherein the connector comprises signals carrying power signals for powering the apparatus connector (See fig. 3, and col. 5, lines 46-51).

In considering claim 19, Bahl discloses a method for communicating graphics across a computer network comprising:

receiving a video signal; converting the video signal into a format suitable for communication over a computer network; and communicating the converted video signal across the computer network to a remote computer (col. 5, lines 46-55).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 4-5, 8, 16, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bahl in view of Mimura et al. (U.S. Patent No 6,557,031).

In considering claim 8, 16, and 20, while Bahl discloses the system substantially as claimed Bahl does not disclose wherein the network interface circuit is configured to format the compressed video signal into a plurality of Internet Protocol (IP) packets that are communicated over the computer network to the remote computer. Nonetheless, formatting a compressed video signal into a plurality of Internet Protocol packets for transmission over the network is well known as evidenced by Mimura.

In similar art, Mimura discloses a transport protocol conversion system and method that transmits TS packets for a CATV network, a DAVIC network or the like by use of IP packets for the Internet. Mimura further discloses that a signal transmitted on the basis of the MPEG-TS system by use of an internetworking unit is converted into a format capable of being transmitted by the Internet and that a signal transmitted by use of the Internet is converted into an MPEG_TS

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signal again by an internetworking unit so that the converted signal is transmitted to a CATV network (col. 8, lines 64-67 through col. 9, lines 1-3). It would have been obvious to a person having ordinary skill in the art to modify the system disclosed by Bahl to include the step of formatting the compressed video signal into a plurality of IP packets in order to provide the transmission/reception video in a broadcasting system utilizing the Internet irrespective of the data format of the packet. The modification would be further advantageous by improving the packet forming and conversion method thus providing high-speed, low-cost processing of packets in MPEG and IP networks.

In considering claim 4 and 5, Mimura further discloses wherein the video signal is an analog signal and wherein the system comprising a circuit for converting the analog signal into a digital video signal (col. 1, lines 45-51).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly D Flynn whose telephone number is 571-272-3954. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glen Burgess can be reached on 703-305-4792. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kimberly D Flynn
Examiner
Art Unit 2153

KDF

A handwritten signature in black ink, appearing to read 'Dung C. Dinh', with a long horizontal flourish extending to the right.

Dung C. Dinh
Primary Examiner